

Why are we talking about this?

- Are we spending our time on what we said was important?
- Are we on track?
- What should we be doing now?

I. IWRRI Contract Requirements

- Initial one-time tasks
 - convert all data to IDTM83
- consult with ESHMC
 - double-check irrigated lands & mapping to diversions
- Ongoing data collection
 - Canal tabular data
 - Diversions and returns

- Ongoing data collection (cont)
 - Fixed-point GIS data
 - Fixed-point tabular data
 - Offsite pumping GIS data
 - Offsite tabular data
 - Perched seepage tabular data

- Ongoing data collection (cont)
 - Precipitation GIS data
 - Non-irrigated recharge GIS data
 - Tributary underflow tabular data

- Refinement of Methods
 - GW fraction on mixed-source lands
 - Discretization of river & spring reaches
 - Return flows
 - Perched-river seepage

- Final Tasks
 - Run Recharge Tool
 - output *.wel and/or *.rch files
 - Calculate water balance and implied change in storage
 - Summarize, check & verify
 - Write summary report

IIa. Additional work undertaken in response to ESHMC input

- One-month stress periods
- Extend data set
- Canal seepage
 - refinement of method
 - extend spatial extent
- Non-irrigated recharge
 - refinement of method
 - increase PESTability (more parameters)

IIa. Additional work undertaken in response to ESHMC input (cont)

- Upgrades to recharge tool
 - ability to handle > 255 stress periods
 - additional PEST options
 - summary tool
- On-farm Water Budget
 - (details still under discussion)
- Uncertainty Analysis (IDWR)
- Boundaries (IDWR)

IIa. Additional work undertaken in response to ESHMC input (cont)

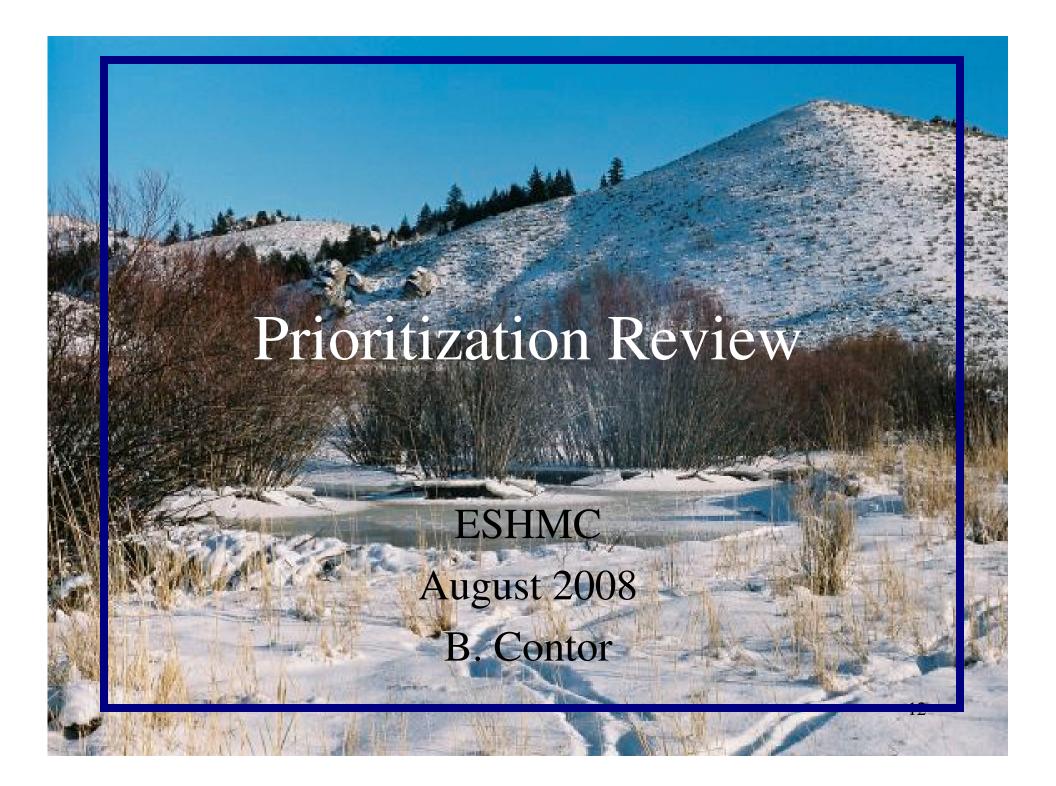
- Irrigated lands
- ET Adjustment Factors

These two are not on the slides on the web

IIb. Review of what we said was important

Copies of Slides from August 2008

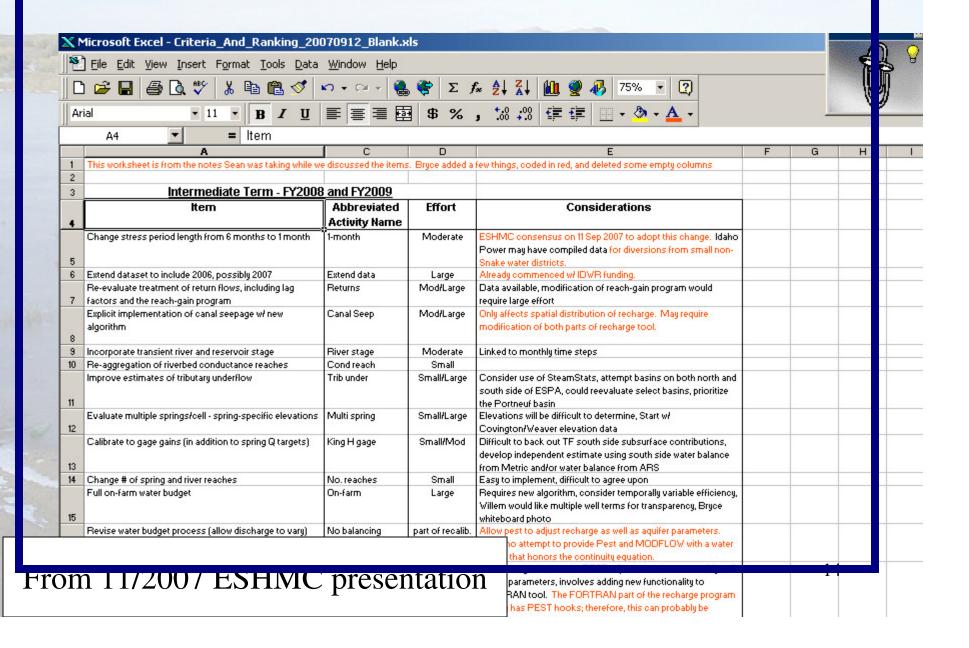
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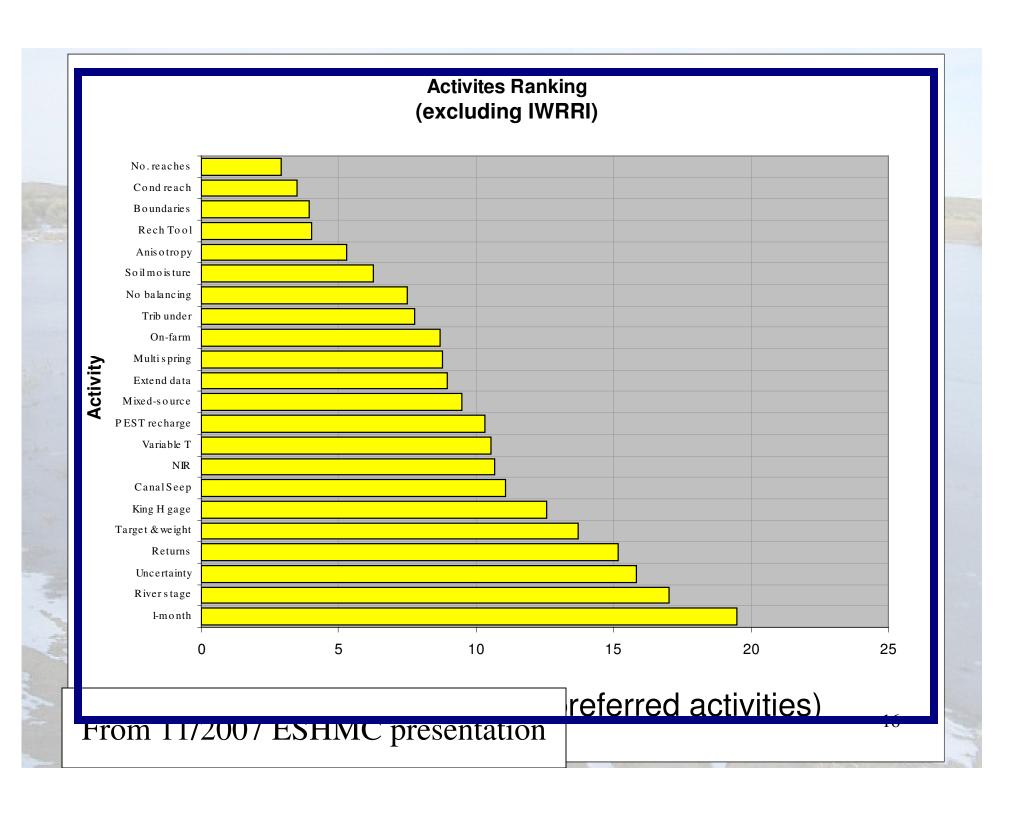


• In 2007 we brainstormed possible modifications to conceptual model & modeling procedures

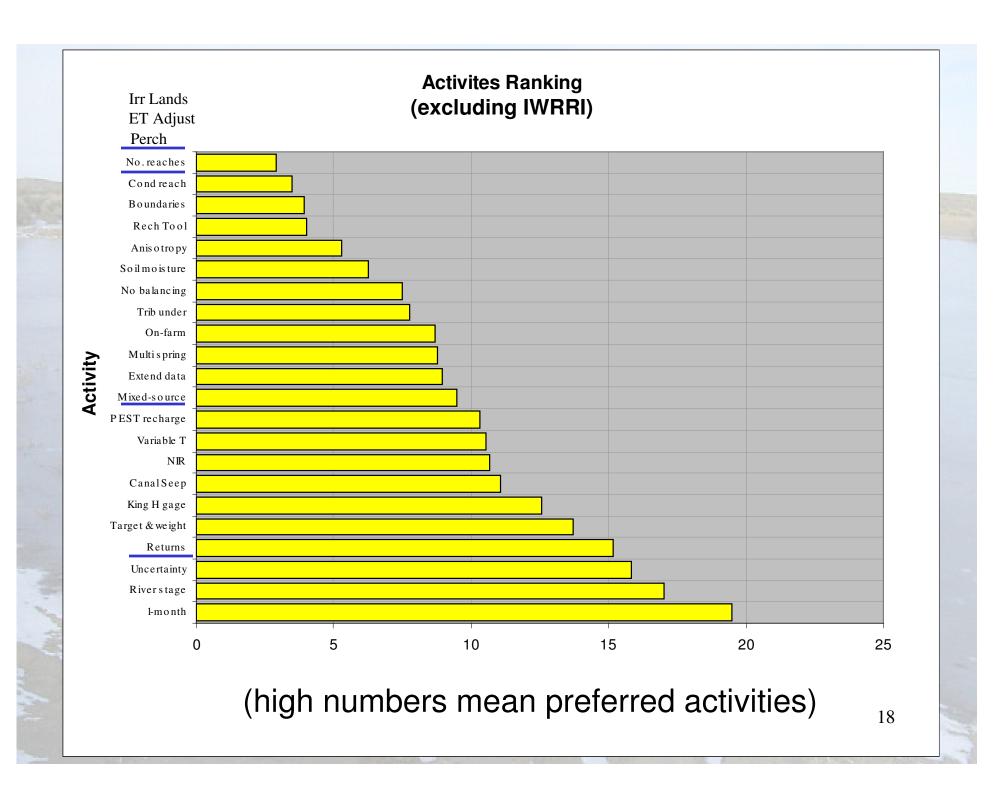
List of activities from Sean's discussion



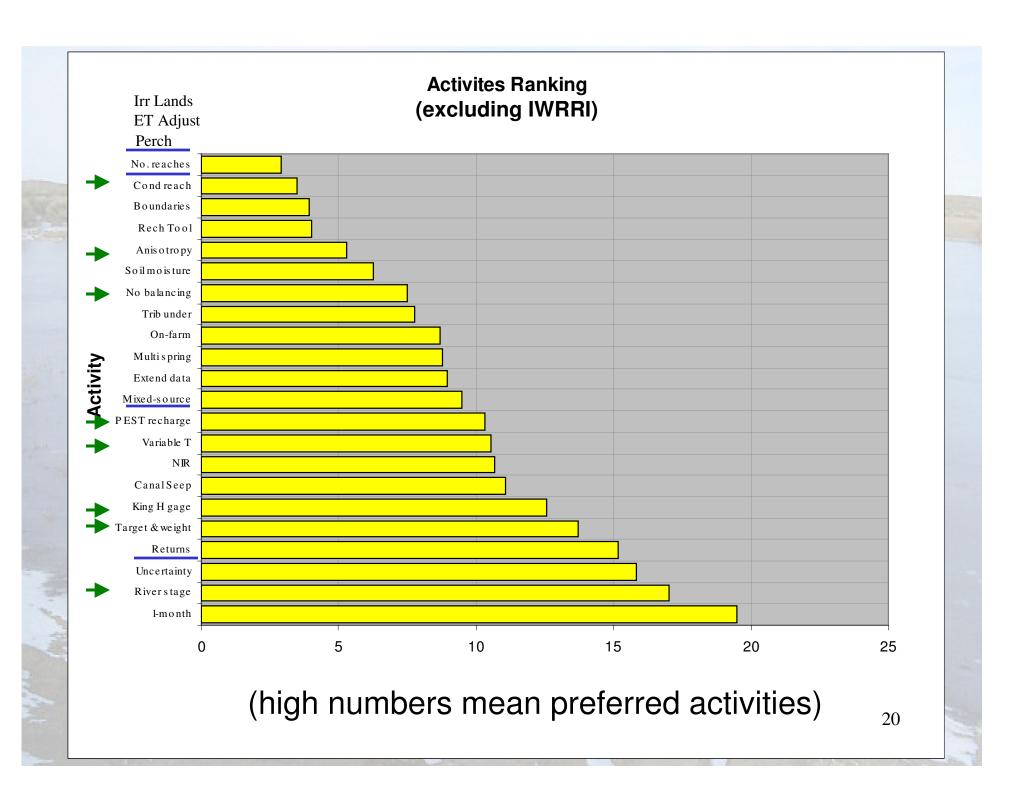


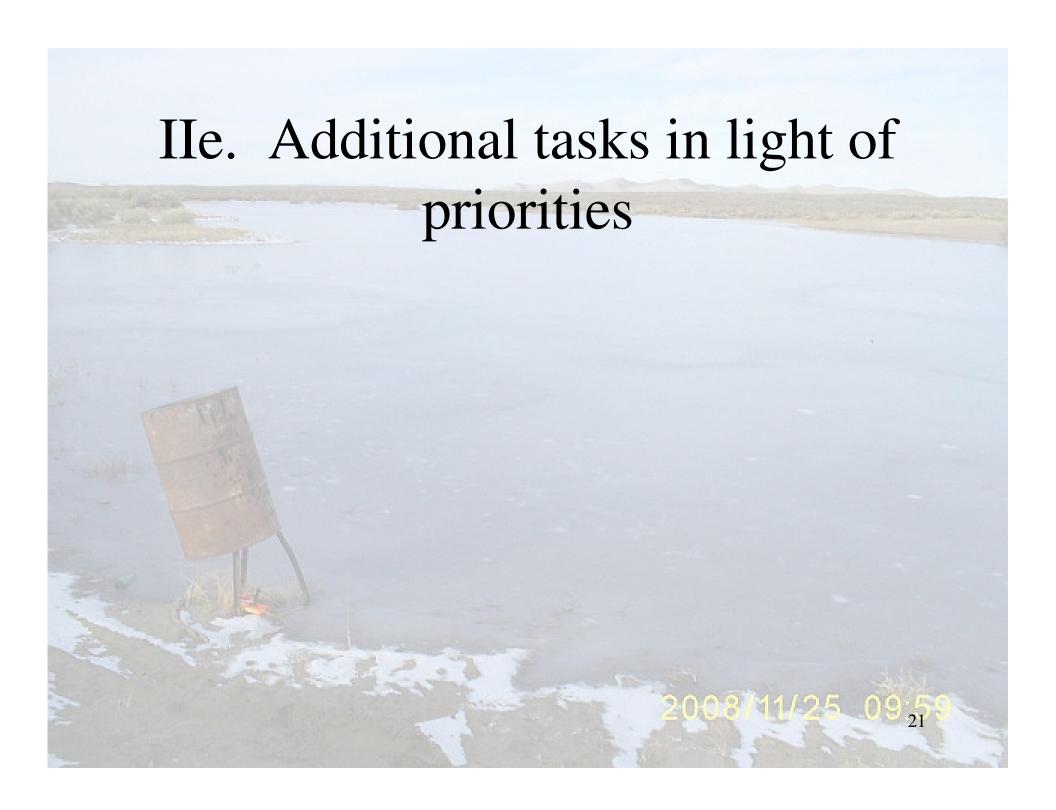


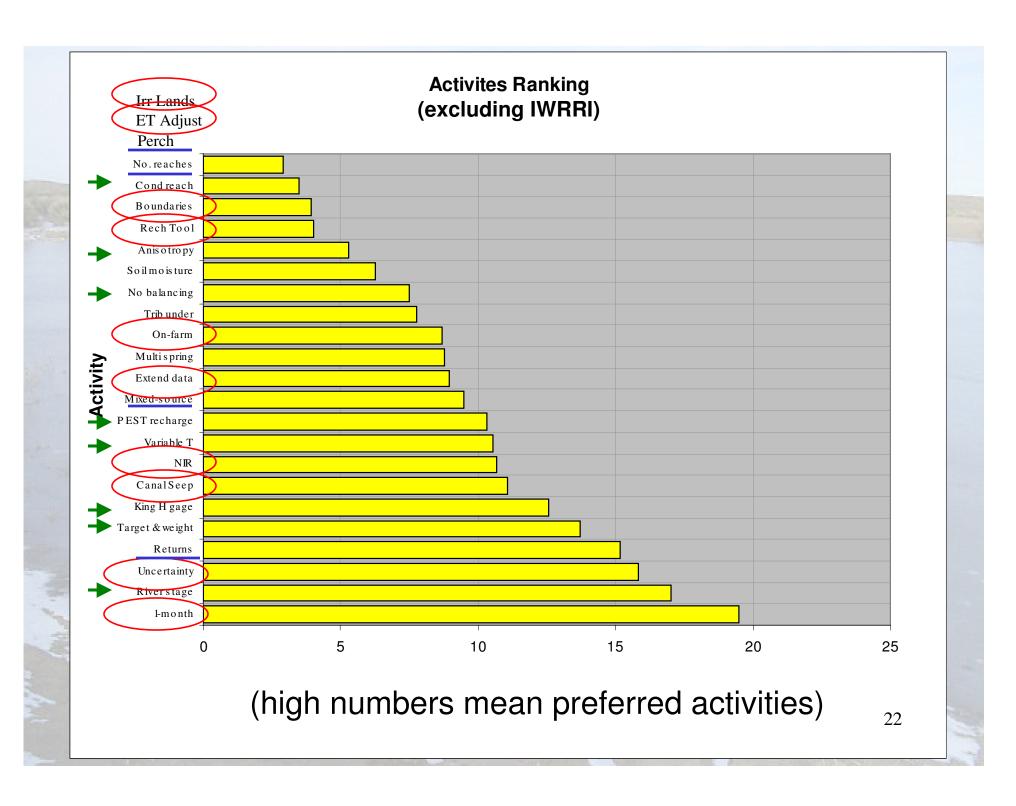




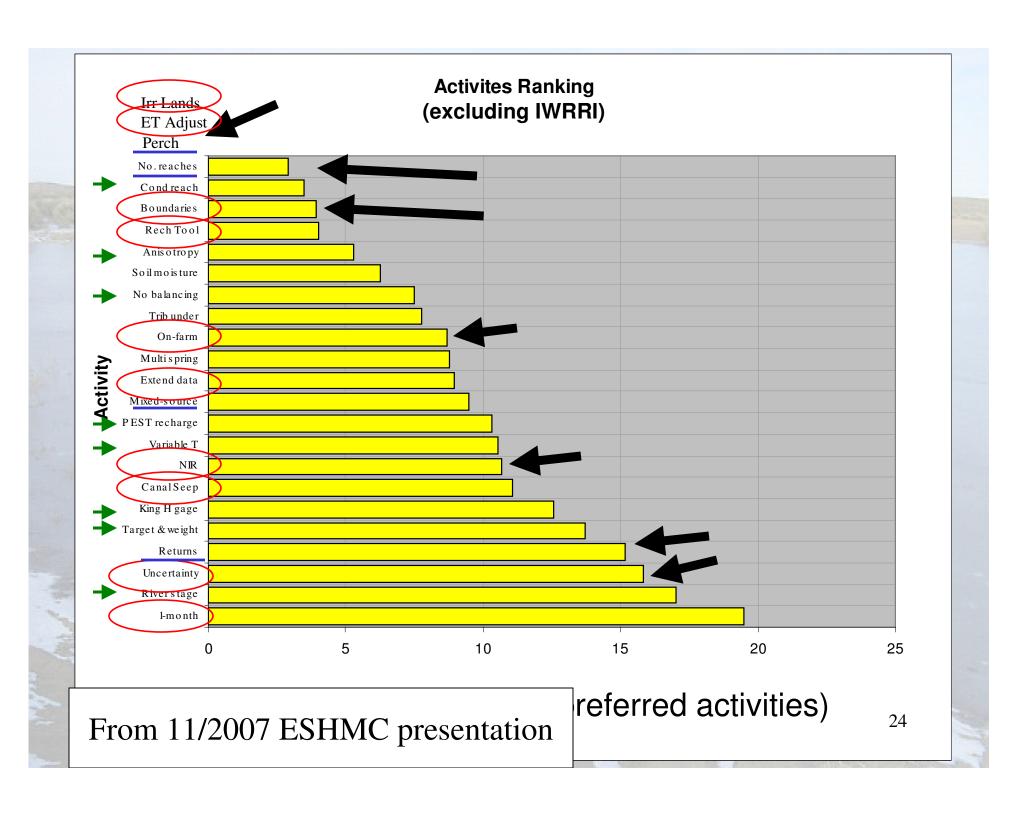














Initial one-time tasks

convert all data to IDTM83

consult with ESHMC125%

double-check irrigated lands & mapping to diversions

Ongoing data collection

Canal tabular data95%

Diversions and returns95%

2008/11/25 09 26

• Ongoing data collection (cont)

 Fixed-point GIS data 	100%
 Fixed-point tabular data 	100%
 Offsite pumping GIS data 	100%
 Offsite tabular data 	100%
- Perched seepage tabular data	100%

- Ongoing data collection (cont)
 - Precipitation GIS data100%
 - Non-irrigated recharge GIS data
 - Tributary underflow tabular data
 100%

Refinement of Methods

- GW fraction on mixed-source lands 90%

Discretization of river & spring reaches (IDWR)

Return flows

Perched-river seepage20%

80%

Final Tasks

<	 Get data into proper format 	2%
	 Run Recharge Tool 	
	• output *.wel and/or *.rch files	0%
	 Calculate water balance and implied 	change in
	storage	0%
	 Summarize, check & verify 	0%
-	 Write summary report 	0%
<	 Participate w/ Calibration 	11/25 09
		- 1

IIIb. Additional work undertaken in response to ESHMC input

•	One-month stress periods	100%
•	Extend data set	80%
•	Canal seepage	
	 refinement of method 	100%
	 extend spatial extent 	20%
•	Non-irrigated recharge	
-	- refinement of method	70%
	 increase PESTability (more parameters) 	40% 31

IIIb. Additional work undertaken in response to ESHMC input (cont)

• Upgrades to recharge tool

 ability to handle > 255 stress periods 	90%
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- additional PEST options
 40%
- summary tool
- On-farm Water Budget
 - (still under discussion)
- Uncertainty Analysis (IDWR)
- Boundaries (IDWR)

IIIb. Additional work undertaken in response to ESHMC input (cont)

Irrigated lands

30%

• ET Adjustment Factors

5%

(This slide not in the Web version)

IV. What Should We Be Doing Now?

We gonna cut bait, or fish?



(courtesy Greg Sullivan)

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